

1. UNDERGRADUATE PROGRAMME DIRECTOR'S REPORT

The attached sheets show the summary of enrollment figures for 86/87 and 87/88, as of late September of each academic year (after course change and late registration finished). Noting that Mature Entry and Extended Credit students are intending to come into Physics, they can be treated as "entering" students, and we identify them by the symbol "UI+". We then have the following comparison:

$$86/87 \text{ UI+}: 95+15 = 110$$

$$87/88 \text{ UI+}: 54+ 8 = \underline{62}$$

$$\text{Difference} = 48 (/110) = 43.6\%$$

UII has increased by 16.4% and UIII by 9.2%. Thus our enrollments have been on the increase until this year's UI+. January entrance this year is up from 17 (UI+) to 23. Six students may not be statistically significant, but at least it is not a decrease.

It seems obvious that our best chance to improve our enrollment in the near future is to promote the Co-op and our ability to train students for the job market. I hope this year's receipt of extra funds for the labs will be able to enhance our capability in this regard, particularly in the field of optics digital electronics, and microprocessor programming and interfacing. We may also be giving students who are heading for graduate school better training as well, but it is difficult to make this case (and advertise it) living in the shadow of an excellent university like McGill. This year, our advertisement of the Co-op Programme is still not up to steam, and we may have to accept another small entrance class. Hopefully, we can put on a well organised blitz next year.

2. GRADUATE PROGRAMME DIRECTOR'S REPORT

2 New students joined January 1988.

3. DIRECTOR OF LAB'S REPORT

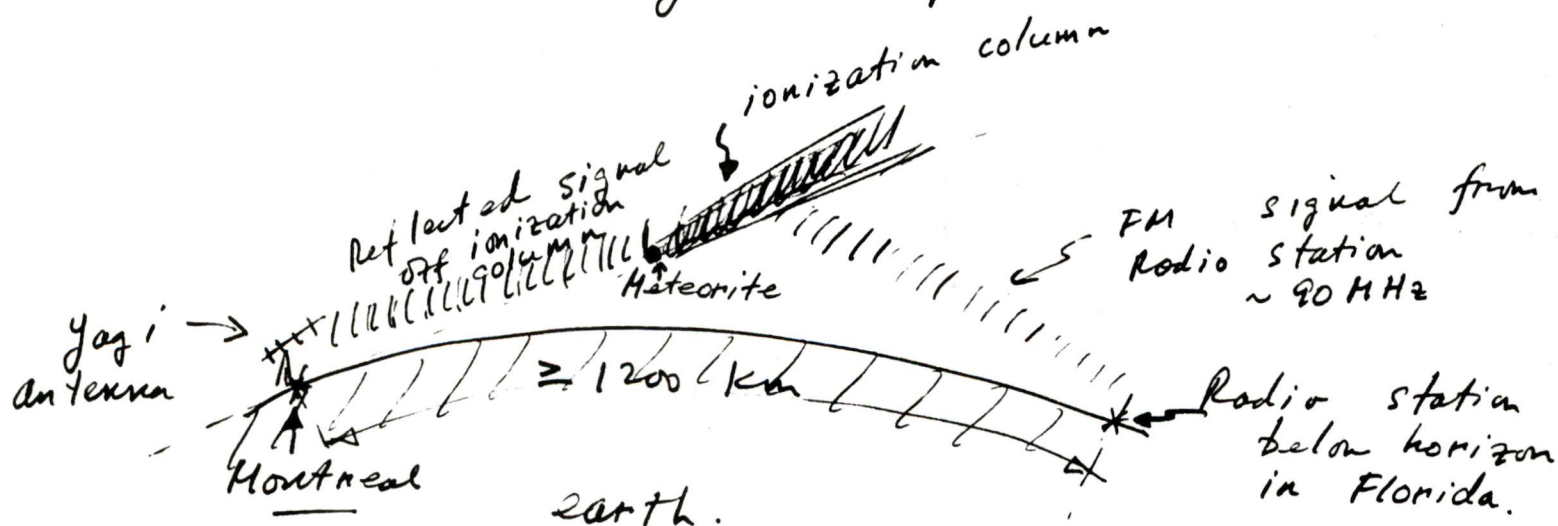
Thus far about \$30,000 of equipment has been ordered; Gravitational Torsion Balance, Harmonic Motion Analyzer, Rotational Dynamic Apparatus, Complete Speed of Light Apparatus, Electron Spin Resonance, Complete X-ray Lab, Fabry-Perrot Interferometer, 2 0.5 mw HE-NE Lasers.

4. Steering Committee approved the spending of \$100 by Dr. G. Ostojic for a Meteor Detector as a project for the Astrophysics course (see attached) Congratulations on the initiative George!

## Inter-Office Memo —

TO: Dr. Kalman  
FROM: George Ostojic  
DATE: Jan. 27  
SUBJECT: Meteor Detector

I mentioned on Monday about the possibility of obtaining \$100 from the physics department for a meteor detector. We shall need to build a 5-element Yagi antenna and a D.C. amplifier. This method of meteor detection is very simple.



When a meteor falls between the Yagi and the radio station below the horizon, it can be heard for a brief instant indicating the presence of a meteorite.

The students seem to be quite enthusiastic about this project.

George Ostojic

## BREAKDOWN OF STUDENTS BY FIELD OF STUDY - AS OF 1986/09/27

ARTS AND SCIENCE

DEPT: PHYSICS

DATE PRINTED 1986/10/02

FIELD OF STUDY: PHYSICS

111      172      22

---- CREDITS TO COMPLETION ----

DEGREE	PROGRAM	STATUS	0	1 - 29	30 - 59	60 - 89	90 +	TOTAL
ARTS	SPECIALIZATION	FULL-TIME	0 *	1 *	0 *	0 *	0 *	1 *
ARTS	MINOR +	FULL-TIME	0 *	0 *	1 *	0 *	0 *	1 *
SCIENCE	MAJOR	FULL-TIME	2	19	26	53	6	106
		PART-TIME	0	13	16	22	9	60
			2 *	32 *	42 *	75 *	15 *	166 *
SCIENCE	HONOURS	FULL-TIME	0 *	2 *	0 *	0 *	0 *	2 *
SCIENCE	SPECIALIZATION	FULL-TIME	0	15	10	8	0	33
		PART-TIME	1	3	2	7	0	13
			1 *	18 *	12 *	15 *	0 *	46 *
SCIENCE	MINOR +	FULL-TIME	0	2	1	0	0	3
		PART-TIME	0	2	0	0	0	2
			0 *	4 *	1 *	0 *	0 *	5 *
SCIENCE	MAJOR +	FULL-TIME	0	1	3	0	0	4
		PART-TIME	0	1	0	5	0	6
			0 *	2 *	3 *	5 *	0 *	10 *
SCIENCE	SPECIALIZATION +	FULL-TIME	0	2	1	0	0	3
		PART-TIME	0	1	1	0	0	2
			0 *	3 *	2 *	0 *	0 *	5 *
* * * TOTALS * * *			2	42	42	61	6	153
		PART-TIME	1	20	19	34	9	83
			3 **	62 **	61 **	95 **	15 **	236 **

Received  
1986 Oct 22  
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ARTS AND SCIENCE

DEPT: PHYSICS

DATE PRINTED 1987/09/28

FIELD OF STUDY: PHYSICS

DEGREE	PROGRAM	STATUS	CREDITS TO COMPLETION					TOTAL
			0	1 - 29	30 - 59	60 - 89	90 +	
ARTS	MINOR +	FULL-TIME	0 *	0 *	1 *	0 *	0 *	1 *
SCIENCE	MAJOR	FULL-TIME	0	20	37	30	3	90
		PART-TIME	1	8	17	18	3	47
			1 *	28 *	54 *	48 *	6 *	137 *
SCIENCE	HONOURS	FULL-TIME	1	4	0	0	0	5
		PART-TIME	0	2	0	0	0	2
			1 *	6 *	0 *	0 *	0 *	7 *
SCIENCE	SPECIALIZATION	FULL-TIME	2	11	9	1	2	25
		PART-TIME	0	9	3	2	0	14
			2 *	20 *	12 *	3 *	2 *	39 *
SCIENCE	MINOR +	FULL-TIME	1	3	1	0	0	5
		PART-TIME	0	1	0	0	0	1
			1 *	4 *	1 *	0 *	0 *	6 *
SCIENCE	MAJOR +	FULL-TIME	0	3	3	0	0	6
		PART-TIME	0	1	0	1	0	2
			0 *	4 *	3 *	1 *	0 *	8 *
SCIENCE	SPECIALIZATION +	FULL-TIME	0 *	4 *	0 *	2 *	0 *	6 *
*** TOTALS ***		FULL-TIME	4	45	51	33	5	138
		PART-TIME	1	21	20	21	3	66
			5 **	66 **	71 **	54 **	8 **	204 **

MEP - MATURE ENTRY PROGRAMME (108 cr)

ECP - EXTENDED CREDIT PROGRAMME (120 cr)

SUMMARY: ECP+MEP+UI DOWN BY 44% IN 1987/88

(UI UP BY 16.4%

UII UP BY 9.2%)